

# Angel J. Mencia

San Diego, CA | Open to relocation | (858) 744-1648 | amenxia@gmail.com | github.com/AMencia | linkedin.com/in/Amencia

## SUMMARY

Full-stack software developer and UC San Diego Cognitive Science graduate (ML & Neural Computation) focused on database-backed web applications, REST APIs, authentication, testing, and document workflow tools. Built FastAPI/Next.js applications with SQLAlchemy persistence, JWT HttpOnly auth, Docker deployment, Jest/Playwright coverage, and practical AI integrations for structured document extraction.

## EDUCATION

**University of California, San Diego** · B.S. Cognitive Science — Machine Learning & Neural Computation March 2026  
Machine Learning · Data Science in Practice · Neural Signal Processing · Probability & Statistics · Linear Algebra · Data Structures & Algorithms · Business Analytics

## TECHNICAL SKILLS

**Languages:** Python, TypeScript/JavaScript, SQL, Java

**Frontend:** Next.js, React, TypeScript, form/editor workflows, live previews

**Databases / Data:** relational schema design, PostgreSQL, SQLite, pandas, NumPy

**Software Practices:** full-stack architecture, API design, validation workflows, documentation

**Backend / APIs:** FastAPI, REST APIs, SQLAlchemy, JWT/HttpOnly auth, PostgreSQL, SQLite

**Testing / DevOps:** Jest, Playwright, unit · integration · end-to-end testing, Docker, Git/GitHub

**AI Integration:** LLM API integration (LiteLLM/OpenRouter), OCR/layout parsing (Docling), structured extraction

**Spoken:** English / Spanish

## EXPERIENCE

**Millenia Ventures** · **Software Developer Intern**

Jan 2026 – May 2026

*Remote · Las Vegas, NV-based*

- Owned the full development lifecycle for the platform's first technical system, covering architecture, PostgreSQL schema design, AI/OCR extraction, dashboard workflows, output validation, testing, and stakeholder review.
- Replaced an ad hoc Box-based document workflow with the platform's first structured data layer, tracking companies, investors, source documents, AI-extracted fields, review status, manual corrections, and dossier outputs in a relational schema.
- Built AI/OCR extraction and validation workflows with structured JSON outputs, source evidence tracking, correction states, and stakeholder-facing previews — cutting manual document review from 5 hours to 20 minutes.

## PROJECTS

**Prelegal — AI Legal Document Generator**

github.com/AMencia

*Python · FastAPI · Next.js · TypeScript · SQLite · SQLAlchemy · JWT auth · Docker · Jest · Playwright · LiteLLM/OpenRouter*

- Built a full-stack document generation app with Next.js/React frontend and FastAPI backend, supporting 12 agreement templates, JWT HttpOnly authentication, AI chat field collection, manual fill, saved drafts, live Markdown preview, and PDF export.
- Implemented SQLAlchemy/SQLite persistence, password-hashed user accounts, Dockerized deployment, and Jest/Playwright coverage for editor behavior, template flows, and end-to-end document creation.

**Document Intelligence Lab**

github.com/AMencia

*Python · Streamlit · Docling · pandas · openpyxl · PDF parsing · Excel export*

- Built a local-first PDF intelligence app that parses documents with Docling into ordered text/table/figure maps, supports item review with crop previews/outlined PDFs, and rebuilds reviewed content into clean Markdown feeds.
- Added table correction, visual review notes, structured extraction, consolidated dossier outputs, and JSON/Markdown/Excel export with in-app preview tables.

**Flappy Bird Neuroevolution Simulator**

github.com/AMencia

*Python · Pygame · NumPy · matplotlib · simulation · fixed-seed evaluation*

- Built a Python/Pygame neuroevolution simulator with a perceptron-style controller, mutation/selection/speciation, headless trainer, fixed-seed champion evaluation, and plotted learning curves.